

Inland Waterways Users Board Meeting No. 95

Financial Report & Project Summaries

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for USACE Headquarters



US Army Corps of Engineers
BUILDING STRONG®



FY 2020 Status of Inland Waterways Trust Fund

30 September 2020

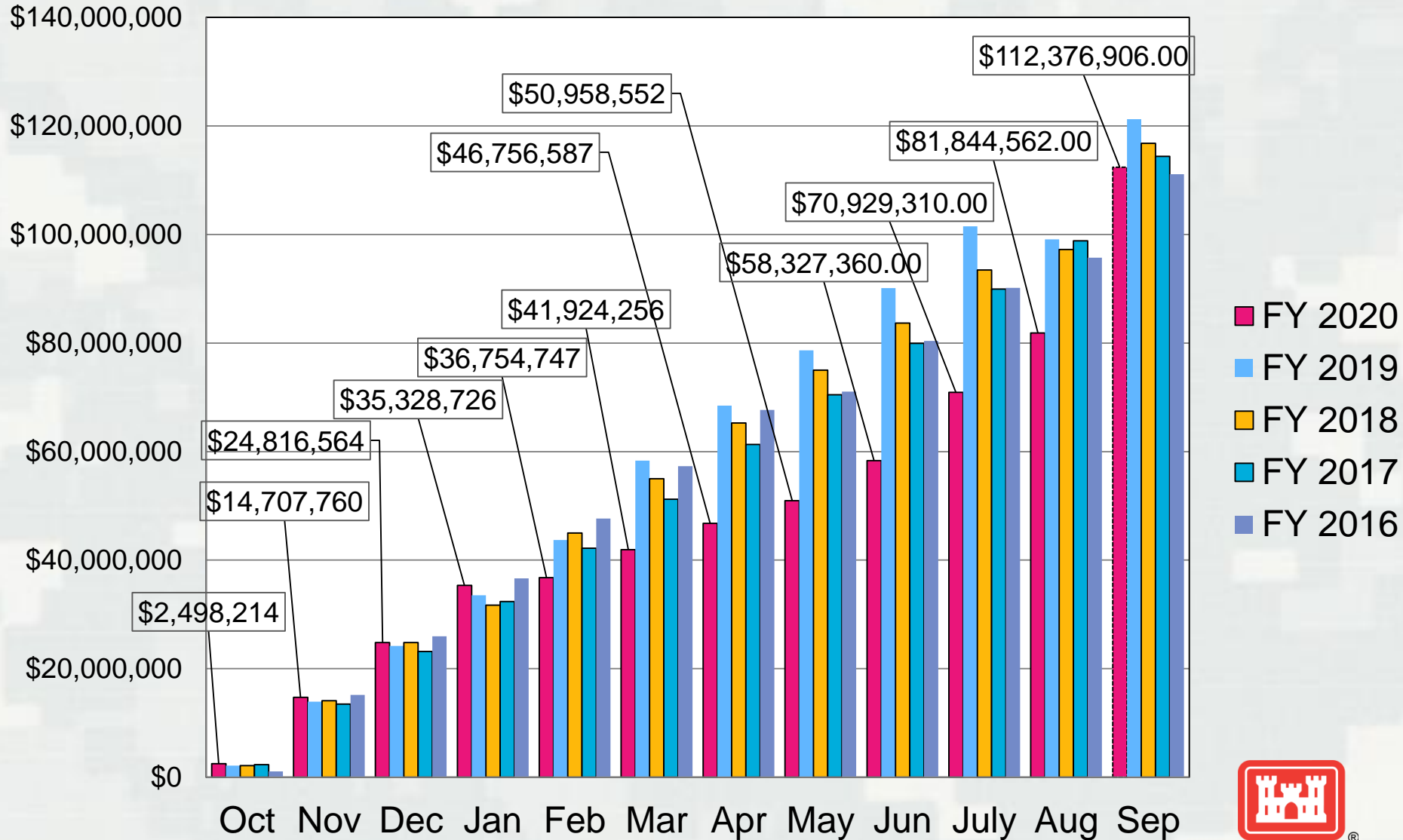
	U.S. Treasury	USACE
Revenue Collected to Date		
FY 2020 Beginning Balance:	\$68,961,076	\$0
FY 2020 Fuel Tax Revenue:	\$111,690,580	\$0
FY 2020 Interest:	\$686,326	\$0
Total Revenues	\$181,337,982	\$0
Transfers to Date		
USACE HQ IWTF (8861) to U.S. Treasury	\$0	\$0
U.S. Treasury to USACE HQ IWTF (8861)	(\$50,037,921)	\$50,037,921
Total Transfers	(\$50,037,921)	\$50,037,921
FY 2020 Available Balance	\$131,300,061	\$50,037,921

Source: IWTF statements from Dept. of Treasury, Bureau of Public Debt.

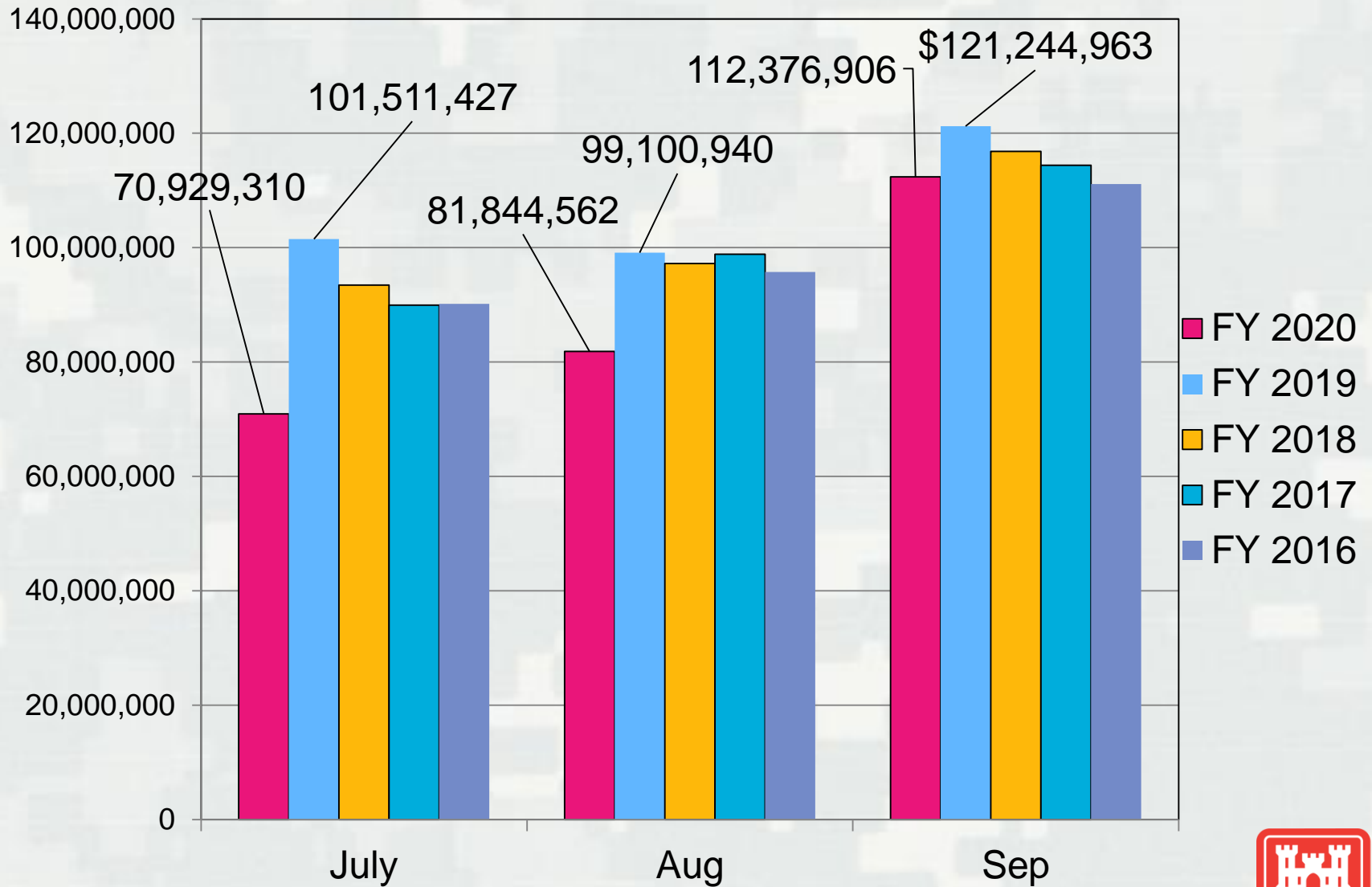
**Amount includes adjustment made by Bureau of Fiscal Service to bring appropriated estimates to actual taxes received.



INLAND WATERWAYS TRUST FUND REVENUE



INLAND WATERWAYS TRUST FUND REVENUE



IWTF Projects – President’s Budget/Work Plan and Total Allocation

<u>Project</u>	<u>Funding Item</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>
<u>Olmsted</u>	President’s Bud	\$160,000,000	\$180,000,000	\$225,000,000	\$175,000,000	\$35,000,000	\$0
	Total allocation	² \$212,710,000	\$268,000,000	⁸ \$250,000,000	\$175,000,000	¹¹ \$50,000,000	¹³ \$63,000,000
<u>Lower Mon</u>	President’s Bud	\$9,032,000	\$52,000,000	\$0	\$0	\$0	\$111,000,000
	Total allocation	¹ \$55,888,463	\$58,900,000	⁸ \$82,010,000	⁹ \$98,000,000	¹² \$89,000,000	
<u>Emsworth</u>	President’s Bud	\$0	\$0	\$0	\$0	\$0	\$0
	Total allocation	¹ \$-2,715,701	\$0	⁸ \$1,000,000	\$0	\$0	
<u>Kentucky L&D</u>	President’s Bud	\$0	\$0	\$0	\$0	\$0	\$0
	Total allocation	³ \$14,700,000	⁶ \$45,700,000	⁸ \$36,000,000	⁹ \$39,500,000	¹² \$43,600,000	¹³ \$61,060,000
<u>Chick L&D</u>	President’s Bud	\$0	\$0	\$0	\$0	\$0	\$0
	Total allocation	⁵ \$3,000,000	⁶ \$29,600,000	⁸ \$40,000,000	⁹ \$76,500,000	¹² \$89,700,000	¹³ \$101,200,000
<u>LaGrange</u>	President’s Bud	\$0	\$0	\$0	\$0	\$0	\$0
	Total allocation	\$0	\$0	\$0	^{9,10} \$10,099,998	¹² \$57,500,000	

1. Reflects reprogramming from Lower Mon (FY 2014: \$2M to Olmsted & 2K to Emsworth and FY 2015 \$2K to Emsworth), and withhold.
2. Reflects FY 2015 Pres Bud (\$160M) & Funding Pot allocations (\$47.3M - NAV), (\$4.9M - Hydro), McAlpine reprogramming (\$510K)
3. Reflects \$2M reprogrammed from Lower Mon to KY L&D (Nov 2014) & FY 2015 NAV Funding Pot allocations (\$12.7M).
4. Reflects withhold.
5. FY 2015 NAV Funding Pot allocations (\$3M).
6. Reflects \$300K reprogramming from Chick L&D to KY Lock as a result of higher than anticipated bids for DS Cofferdam contract required for risk-based TPCE, FY 2017 construction contract design activities, and an Economic Update.
7. Note deleted.
8. Amount includes allocation provided through the FY 2017 Work Plan.
9. Amount includes allocation provided through the FY 2018 Work Plan.
10. New Start to be funded upon Congressional Notification of Project Affordability Analysis Per FY 2018 E&EDW
11. Amount includes additional \$15 million provided through the FY 2019 Work Plan.
12. Amount includes allocation provided through the FY 2019 Work Plan.
13. Amount includes allocation provided through the FY 2020 Work Plan.



Questions



Project Updates by PMs (Mississippi Valley Division)

- Inner Harbor Navigation Canal (IHNC) Lock Replacement Study
- Illinois Waterway 2020 Closure (including LaGrange Lock & Dam Major Rehabilitation)



Project Updates by PMs

(Great Lakes and Ohio River Division)

- Olmsted Locks and Dam
- Monongahela River Locks 2, 3 and 4
- Kentucky Lock Addition
- Chickamauga Lock and Dam



Olmsted Locks and Dam, Ohio River, IL & KY

	ARRA	CG	IWTF	Total
Total Project Cost:				*\$2,867,296,000
Allocations through FY2014:	\$29,515,929	\$943,838,592	\$861,338,594	\$1,834,693,115
FY15 Allocation:	\$0	\$180,803,500	\$31,906,500	\$212,710,000
FY16 Allocation:	NA	\$227,800,000	\$40,200,000	\$268,000,000
FY17 Allocation:	NA	\$212,500,000	\$37,500,000	\$250,000,000
FY18 Allocation:	NA	\$148,750,000	\$26,250,000	\$175,000,000
FY19 Allocation:	NA	\$42,500,000	\$7,500,000	\$ 50,000,000
FY20 Work Plan:	NA	\$53,550,000	\$9,450,000	\$63,000,000
Total Allocations to Date:	\$29,515,929	\$1,809,742,092	\$1,014,145,094	\$2,853,403,115
Remaining TPC Balance:		\$11,808,952	\$2,083,933	\$13,892,885
Remaining Balance Change From Last Meeting				\$000

Note: * Cost and Schedule data reflective of the latest Certified Cost Estimate (01 OCT 2017 price levels) completed May 2018.
Remaining TPC Balance is difference between Total Project Cost and Total Allocations to date.

Changes

- FY20 Work Plan - \$63,000,000

Funding Overview

- Original Authorized Cost: \$ 775.0M
- 902 Limit: \$3,559.0M
- ARRA Funding (FY09-11): \$ 29.5M
- Engineering & Design Cost: \$ 168.5M
- Supervision & Admin Cost: \$ 131.0M
- Mitigation: \$ 16.0M

Current Status of the Project

- L&D in full operation
- L&D 52 Marine demo progressing
- **L&D 53 Marine Ph II demo awarded**
- Dam contractor has demobilized from the site
- **Total obligations to date \$2,794,280,161**

Next Steps

- Complete ongoing contracts
- **Award FY21 Execution Plan**



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Olmsted Locks and Dam, Ohio River, IL & KY

Schedule of Remaining Work	RTA	Contract Award	Construction Complete
Z-drive Charter		7-May-18	1-Jun-22
Z-drive Workboat		31-Oct-19	7-Apr-22
Demolition L&D 53 Phase II	30-Apr-20	31-Aug-20	30-Jun-22
Landside Demo L&D 52 and 53	30-Jun-20	30-Aug-20	30-Sep-21
County Road Resurfacing	15-Jan-20	24-Mar-20	4-Sep-20
Resident Office Conversion (Pole Barns)	30-Jun-20	1-Sep-20	30-Jun-21
Refurbish Bulkheads	30-Apr-20	14-Aug-20	31-Mar-21
D/S Highwater Electrical	15-Jan-20	30-Apr-20	4-Sep-20
U/S Harbor Access	30-Jan-20	16-Mar-20	30-Dec-20
Abutment Blanks	30-Apr-20	29-Jun-20	1-Nov-20
Historic Requirements	30-Mar-20	30-Dec-20	30-Jun-22
Final Site Restoration	31-Jul-20	29-Sep-20	30-Nov-21



Locks and Dams 2, 3, and 4, Monongahela River, PA

Current Project Estimate ^{*1} : \$1.23B (\$2.76B)	ARRA	CG	IWTF	Total
Allocations through FY2016:	\$68,261,203	\$338,640,646	\$338,640,652	\$745,542,501
FY17 Allocation:	NA	\$41,005,000	\$41,005,000	\$82,010,000
FY18 Allocation:	NA	\$48,150,000	\$48,150,000	\$96,300,000
FY19 Allocation:	NA	\$44,606,606	\$44,606,606	\$89,213,213
FY20 Allocation: (Final Funding)	NA	\$55,648,769	\$55,648,769	\$111,298,000
Total Allocations to Date:	\$68,261,203	\$472,402,253	\$472,402,258	\$1,124,363,248
Remaining Balance:		\$54,735,874	\$54,735,874	\$109,471,747
Remaining Balance Change From Last Meeting:				

Changes: **No Changes**

Funding Overview

- Original Authorized Cost: \$556M
- 902 Limit: \$1.76B
- ARRA Funding (FY09-FY15): \$68.3M
- Engineering & Design Cost: \$694M^{*2}
- Supervision & Admin Cost: \$183M^{*3}
- Mitigation: \$12M
- Fully Funded Estimate: \$2.76B

Next Steps

- **Removal of L/D 3 design continues with 60% ATR complete.**

Current Status of the Project

- **Charleroi M22 – M27 – Physically complete, fiscal completion before February 2021.**
- **Charleroi RCC – All options awarded. 187 of 189 mass concrete lift placed. Control tower on M13 in progress.**
- **Pool 3 Dredging Task Order 3 – scheduled completion July 2021.**

*1. Total Project Cost update – May 2018. Cost for 90% of project benefits increased from \$1.22B to \$1.23B. Total project cost increased from \$2.73B to \$2.76B.

*2. \$694M includes all Engineering & Engineering During Construction, including \$473M for the Charleroi Land Chamber, \$378 million of which is inflation.

*3. \$183M includes all construction contract Supervision and Administration, including \$120M for the Charleroi Land Chamber, \$102 million of which is inflation.



Locks and Dams 2, 3, and 4, Monongahela River, PA

Schedule of Remaining Work	Design Initiated	Contract Award	Construction Complete *2	Project Benefits *3	Capitalized Cost Closeout*3
Charleroi River Wall	1-Oct-95	27-Sep-04	30-May-16	2023	2025
Charleroi Emptying Basin	1-Oct-95	30-Sep-13	11-Nov-15	2023	2025
Charleroi River Chamber (M22-M27)	1-Oct-95	15-Aug-14	14-July-20	2023	2025
Charleroi Dam Stilling Basin	1-Oct-95	30 Oct -18	FY 2023 S	2023	2025
Charleroi River Chamber Completion	1-Oct-95	16-Sep-15	FY 2024 S	2023	2025
L/D 3 Removal	12-Nov-19	2022 S	FY 2025 S	2023	2025
Dredging	1-Oct-95	29-Sep-17	FY 2021 S	2023	2025
Municipal Relocations *1	1-Oct-95	Multiple	Multiple	NA	2025

- * 1: To complete all municipal relocations, multiple relocation agreements are required.
- * 2: Dates are achievable based on the most efficient funding profile (early schedule).
- * 3: Project benefit and close out dates are based on the most efficient funding profile & breaching of Dam 3. Early contract completion for Dam 3 removal extends into 2025.
- 4. Charleroi dam stilling basin completion is scheduled for November 2022.

Actual

"S"= Scheduled



Kentucky Locks & Dam, Tennessee River, KY

	ARRA	CG	IWTF	Total
Total Project Cost (TPC):				\$1,210,565,000 ¹
Allocations through FY 2015:	\$88,833,626	\$183,305,288	\$148,810,987	\$420,949,901
FY16 Allocation:	NA	\$22,850,000	\$22,850,000	\$45,700,000
FY17 Allocation:	NA	\$18,000,000	\$18,000,000	\$36,000,000
FY18 Allocation:	NA	\$20,600,000	\$20,600,000	\$41,200,000*
FY19 Allocation:	NA	\$21,800,000	\$21,800,000	\$43,600,000
FY20 Allocation:	NA	\$30,530,000	\$30,530,000	\$61,060,000
Total Allocations to Date:	\$88,833,626	\$297,085,288	\$262,590,987	\$648,509,901
Remaining TPC Balance:				\$562,055,099
Remaining Balance Change From Last Meeting				0

Notes: ¹Project cost data is reflective of 27 Mar 2020 certified cost (OCT 19 \$'s), Fully Funded.

Changes

None

Funding Overview

- Authorized Cost: \$726,046,000 (Oct19 \$)
- 902 Limit: \$812,844,000 (Oct19 \$)
- ARRA (FY09-13): \$ 88,833,626
- Engineering & Design Cost: \$115,425,000 (Thru FY19)
- Supervision & Admin Cost: \$ 23,599,000 (Thru FY19)
- Mitigation Cost: TBD

Current Status of the Project

- Downstream Cofferdam construction is **83%** complete;
- Downstream Lock Excavation contract **45%** completed.
- **Downstream Lock Monoliths has 95%**
- **District Quality Control review ongoing.**

Next Steps

- **Complete Downstream Cofferdam by March 2021.**
- **Advertise Downstream Monoliths by 12 February 2021.**



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Kentucky Locks & Dam, Tennessee River, KY

Schedule of Remaining Work	Design Initiated	Contract Award	Construction Complete*	Project Benefits	Capitalized Cost Closeout
Task 1 – HWY / RR Superstructures	01-Oct-99	19-Sep-05	24-May-12		
Task 2 – Upstream Lock Monoliths (all Options)	01-Oct-00	29-Jan-10	30-Dec-16		
Task 3 – Upstream Miter Gate Fabrication	01-Oct-02	30-Sep-13	1-Mar-16		
Task 4 – Downstream Cofferdam	01-Oct-00	30-Sep-16	19-Nov-20		
Task 5 – Site, Demolition, & Utilities	01-Oct-00	31-Jan-18	30-Mar-19		
Task 6 – Downstream Lock Excavation	01-Oct-00	26-Sep-18	3-Jan-22		
Task 7 – Downstream Lock	01-Oct-00	30-Sep-21	12-Sep-25	12-Sep-25**	
Task 8 – Approach Walls	01-Oct-02	30-Sep-22	21-Nov-24		

*Dates are achievable based on the most efficient funding profile.

**Based on 27 Mar 2020 Certified cost estimate Cost and Schedule Risk Assessment, the project has an 80% confidence level of being completed by 2028.



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Chickamauga Lock & Dam, Tennessee River, TN

	ARRA	CG	IWTF	Total
Total Project Cost (TPC):				\$756,880,000 ¹
Allocations through FY2015:	\$49,307,619	\$69,891,511	\$69,889,500	\$189,088,630
FY16 Allocation:	NA	\$14,800,000	\$14,800,000	\$29,600,000
FY17 Allocation:	NA	\$20,000,000	\$20,000,000	\$40,000,000
FY18 Allocation:	NA	\$38,250,000	\$38,250,000	\$76,500,000
FY19 Allocation:	NA	\$76,245,000	\$13,455,000	\$89,700,000
FY20 Allocation:	NA	\$66,105,000	\$35,595,000	\$101,700,000
Total Allocations to Date:	\$49,307,619	\$285,291,511	\$191,989,500	\$526,588,630
Remaining TPC Balance:				\$230,291,370
Remaining Balance Change From Last Meeting				\$0

Note: ¹Project cost data is reflective of Jun 2020 certified cost at an Oct 2019 price level, Fully Funded, Nov 2025 completion

Changes

None

Funding Overview

- Authorized Cost: \$757,666,000 (Oct 17 \$)
- 902 Limit: \$909,199,200 (Oct 17 \$)
- ARRA Funds: \$ 49,307,619 (total FY09-12)
- Engineering & Design Cost: \$ 58,486,000 (thru FY19)
- Supervision & Admin Cost: \$ 11,613,000 (thru FY19)
- Mitigation Cost: TBD

Current Status of the Project

- Lock Chamber contract (fully awarded) valued at ~\$244.6M;
- **29%** financially complete.
- Lock Excavation contract – contract closeout pending.

Next Steps

- Lock Excavation Contract – **final VEQ Mod and Release of Claims.**
- Lock Chamber Contract – **rebaseline Contractor work schedule to include options exercised on 15 June 2020.**
- Approach Wall and Decommissioning Contract – Developing Plans & Specifications package for anticipated FY21 award. **95% Agency Technical Review scheduled to begin 15 Jan 2021.**



CHICKAMAUGA LOCK & DAM, TENNESSEE RIVER, TN

Schedule of Remaining Work	Design Initiated	Contract Award	Construction Complete *	Project Benefits**	Capitalized Cost Closeout
Task 1 – Approach Walls Fabrication	30-Mar-04	05-Apr-10	08-Mar-13		
Task 2 – Cofferdam Stabilization	31-Sep-05	25-Sep-15	18-Jul-16		
Task 3 – Lock Excavation	31-Sep-05	26-Sep-16	1 Feb 2019***		
Task 4 – Lock Chamber	11-Aug-05	28-Sep-17	01 Jul 2023		
Task 5 – Approach Walls and Decommission	11-Aug-05	30-Sep-21	Dec 2024	Nov 2023	
Task 6 – Site Restoration	11-Aug-05	30-Sep-24	Nov 2025		

*Dates are achievable based on the most efficient funding profile.

**Based on June 2020 Certified cost estimate Cost and Schedule Risk Assessment, the project has an 80% confidence level of being completed by Aug 2027.

***Date Lock Excavation contractor demobilized from cofferdam work area and laydown yard.

